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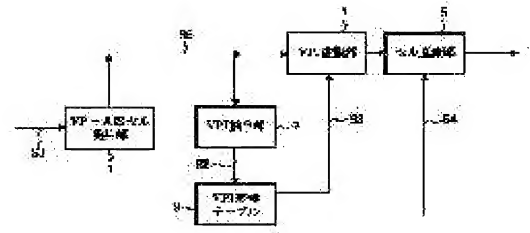
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(54) ALARM DISPLAY SIGNAL GENERATING CIRCUIT

(57)Abstract:

PURPOSE: To constitute a VP-AIS cell generating circuit of a small hardware by rewriting an alarm cell generated with regard to all virtual paths which become an object to an identifier of a connecting destination, and rejecting an unregistered cell.

CONSTITUTION: When an interface alarm S1 arrives, a virtual path alarm (VP-AIS) cell generating part 1 is actuated, and all virtual path numbers which can become objects to be informed with regard to an interface which becomes an object are generated successively, and joined with a main signal passage S5. In a virtual path identifier extracting part 2, a receiving side virtual path identifier is detected from a header of a cell of this main signal passage S5, and it is supplied as an address to a virtual path identifier conversion table 3. When a connecting destination is registered in advance in the address concerned of the conversion table 3, a virtual path identifier of its connecting destination is read out, and its header information is rewritten by a virtual path identifier converting part 4. Also, as for the identifier whose connecting destination is not registered, its cell is rejected by a cell rejecting part 5.



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